

1 What is claimed is:

2

3 1. A mounting system for a baseboard radiator, comprising a back plate, the back  
4 plate comprising:

5 a rear portion;

6 a lower flange disposed at a first predetermined angle with the rear  
7 portion;

8 a top portion disposed at a second predetermined angle with the rear  
9 portion; and

10 a front flange disposed at predetermined angle with the top portion,

11 wherein the back plate is adapted and constructed to retain a core  
12 assembly having a rear groove in an underside of the core.

13

14 2. The mounting system of claim 1, further comprising a starter plate, comprising:

15 an elongated flat plate; and

16 a first flange extending for the length of the starter plate and forming a  
17 fourth predetermined angle with the flat plate,

18 wherein the size of the fourth predetermined angle is approximately equal  
19 to 180° less the size of the first predetermined angle, and

20 when the starter plate is mounted on a wall, the first flange and the wall  
21 define a groove that is adapted and constructed to receive a wedge defined by the  
22 lower flange and the rear portion.

23

24 3. The mounting system of claim 2, wherein the starter plate further comprises a  
25 second flange that extends along the length of the starter plate and defines a fifth  
26 predetermined angle with the flat plate.

27

28 4. The mounting system of claim 3, wherein the fifth predetermined angle is  
29 approximately the same size as a fourth predetermined angle.

30

- 1 5. The mounting system of claim 1, wherein the first predetermined angle is about  
2 45°.
- 3
- 4 6. The mounting system of claim 1, wherein the second predetermined angle is  
5 approximately 90°.
- 6
- 7 7. The mounting system of claim 1, wherein the third predetermined angle is  
8 approximately 90°.
- 9
- 10 8. The mounting system of claim 1, wherein the back plate further comprises a  
11 plurality of staggered horizontal slots that are adapted and constructed to permit  
12 attachment of the back plate to a wall at a predetermined plurality of points on the  
13 wall.
- 14
- 15 9. The mounting system of claim 1, wherein the backplate further comprises a  
16 plurality of raised indentations disposed in a member of the rear portion, the top  
17 portion, and both, wherein the indentations are directed towards the interior of the  
18 angle defined by the rear portion and the top portion.
- 19
- 20 10. The mounting system of claim 1, further comprising a cover, the cover  
21 comprising:  
22 a front face;  
23 a pivot flange disposed along a bottom edge of a front face that, when the  
24 cover is installed, engages a front groove in an underside of the core;  
25 an angled face disposed at an upper edge of the front face;  
26 an upper face adjacent to the angled face that, when the cover is installed,  
27 is parallel to the top portion of the back plate; and

1 a fixing flange disposed at the second predetermined angle with the upper  
2 face that, when the cover is installed, is disposed between the rear portion and the  
3 wall.

4

5 11. The mounting system of claim 10, wherein the angled face comprises a plurality  
6 of apertures having at least one preselected shape.

7

8 12. A radiating fin, comprising:

9 a lower edge comprising a rear notch for engaging a mounting system; and

10 a connecting edge extending between a front edge and the a top edge of  
11 the fin, wherein at least a portion of the connecting edge is neither parallel to the  
12 front edge nor perpendicular to the top edge.

13

14 13. The radiating fin of claim 13, further comprising:

15 a front flange extending from at least a portion of the front edge of the fin;

16 a rear flange extending from at least a portion of a rear edge of the fin; and

17 a top flange extending from at least a portion of the top edge of the fin.

18

19 14. The radiating fin of claim 12, further comprising a plurality of round apertures  
20 each comprising a circumferential flange.

21

22 15. The radiating fin of claim 12, wherein the top edge is shorter than the lower edge.

23

24 16. A radiating fin, comprising:

25 a lower edge comprising a rear notch for engaging a mounting system; and

26 a plurality of round apertures each comprising a circumferential flange.

27

28 17. The radiating fin of claim 16, further comprising:

29 a front flange extending from at least a portion of a front edge of the fin;

1 a rear flange extending from at least a portion of a rear edge of the fin; and  
2 a top flange extending from at least a portion of a top edge of the fin.  
3  
4 18. A radiating fin, comprising:  
5 a lower edge comprising a rear notch for engaging a mounting system;  
6 a front flange extending from at least a portion of a front edge of the fin;  
7 a rear flange extending from at least a portion of a rear edge of the fin; and  
8 a top flange extending from at least a portion of a top edge of the fin.  
9  
10